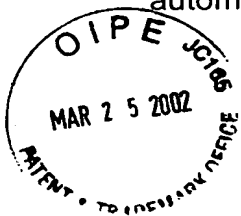


19. (New) The method of claim 14, wherein the execution device is a programmable logic controller also executing a control program that controls the automation system.



REMARKS

Entry of these amendments is respectfully requested. No new matter has been added.

Please charge any additional fees or deficiencies in fees or credit any overpayment to Deposit Account No. 50-0902 of ARTER & HADDEN, LLP, referencing the Docket No. (74953/15381).

Respectfully submitted,

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on MAR. 13 2002

Valerie A. Salvi

(SIGNATURE)  
VALERIE A. SALVINO

1.(Amended) A method of identifying fault conditions in an automation system, comprising the steps of:

identifying components in the system[<sub>1</sub>];

identifying inputs and outputs to each identified component, the inputs including possible fault conditions[and other inputs,]<sub>1</sub>;

determining functional relationships between the inputs and outputs for each identified component[<sub>1</sub>]; and

determining fault conditions based on the functional relationships and<sub>1</sub> the outputs and other inputs.

09/92/365-032502